

CLAIMS

1. An automatic ice making machine which comprises an evaporator (14) and electric heating means (H1 to HN) in an ice making section (10), configured so that a coolant is circulatingly supplied through said evaporator (14) so as to cool said ice making section (10) and ice making water is supplied to the ice making section (10) so as to form an ice block (M) during ice making operation while heat is generated in said heating means (H1 to HN) by applying current so as to remove the ice block (M) from said ice making section (10) by melting during deicing operation, wherein

said ice making section (10) is composed of a metal plate (12a) to which said evaporator (14) is fixed, said heating means (H1 to HN) and an insulating layer (12b) lying between the metal plate (12a) and the heating means (H1 to HN), and

said insulating layer (12h) is bonded to the metal plate (12a) and each of the heating means (H1 to HN) by thermocompression.

2. The automatic ice making machine according to claim 1, wherein said evaporator (14) is fixed to said metal plate (12a) by heating, and said insulating layer (12b) is a thermal adhesive resin film having thermal resistance capable of resisting a temperature for fixing said evaporator (14) to the metal plate (12a).

3. An automatic ice making machine which comprises an evaporator (14) and electric heating means (H1 to HN) in an ice making section (10), configured so that a coolant is circulatingly supplied through said evaporator (14) so as to cool said ice making section (10) and ice making water is supplied to the ice making section (10) so as to form an ice block (M) during ice making operation

while heat is generated in said heating means (H1 to HN) by applying current so as to remove the ice block (M) from said ice making section (10) by melting during deicing operation, wherein

said ice making section (10) is composed of a metal plate (12a) to which said evaporator (14) is fixed, the heating means (H1 to HN) and an insulating layer (12b) lying between the metal plate (12a) and the heating means (H1 to HN), and

an external outline of said heating means (H1 to HN) is configured so as to be located inside an external outline of said insulating layer (12b).